

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An improved poly-metallic energetic formulation, the original poly-metallic energetic formulation having a fuel comprising metallic nanoparticles, wherein the improvement comprises ~~composition comprising:~~

~~a poly-metallic-containing fuel formulation including metallic nanoparticles; and~~
a solid particulate fluoro-organo or fluoro polymeric compound mixed into said ~~poly-metallic-containing fuel~~ original poly-metallic energetic formulation in an amount ranging of from approximately 1 to 98 weight percent of the improved poly-metallic energetic formulation;

wherein during combustion of the improved poly-metallic energetic formulation a metallic fluoride intermediate is formed on the fuel and halogens are released to the presence of said fluoro-organo or fluoro polymeric compound with said metallic nanoparticles in said fuel formulation improves the combustion efficiency of the improved poly-metallic energetic formulation over the original poly-metallic energetic formulation ~~said composition.~~

2. (Currently Amended) The improved formulation ~~composition~~ according to claim 1 wherein said fuel ~~metallic nanoparticles~~ comprises boron.

3. (Currently Amended) The composition according to claim 1 wherein said fuel ~~metallic nanoparticles~~ comprises aluminum.

4. (Currently Amended) The composition according to claim 1 wherein said fuel

~~metallic nanoparticles~~ comprise carbon.

5. (Original) The composition according to claim 1 wherein said fluoro-polymer comprises a powder.

6. (Canceled).

7. (Currently Amended) The composition according to claim 1 wherein said fluoro-polymer is selected from dipolymers of VF2/HFP, termpolymers of VF2/HFP/TFE, or copolymers of TFE/propylene and ethylene/TFE/AMVE ~~comprises~~ ~~Viton®~~.

8. (Currently Amended) The composition according to claim 1 wherein said fluoro-polymer comprises polytetraflouroethylene ~~Teflon®~~.